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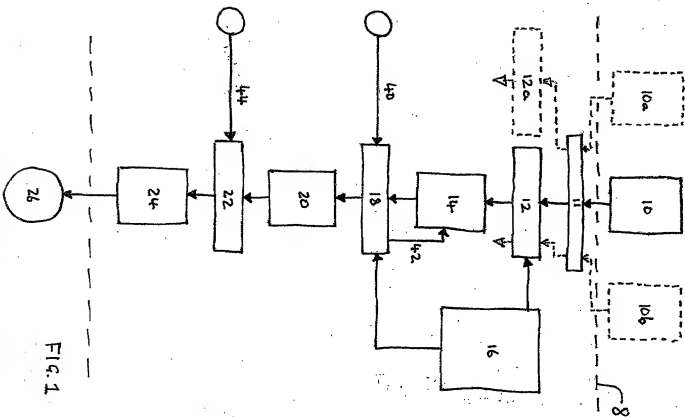


FIG. 1

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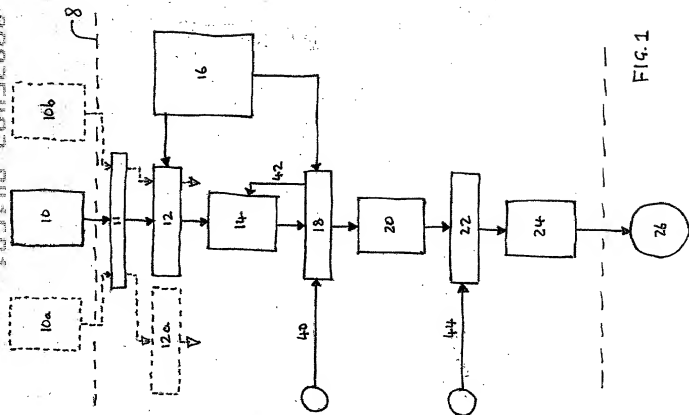
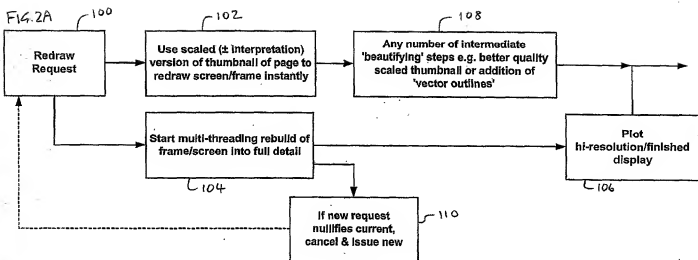


FIG. 1



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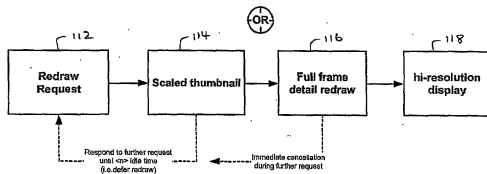
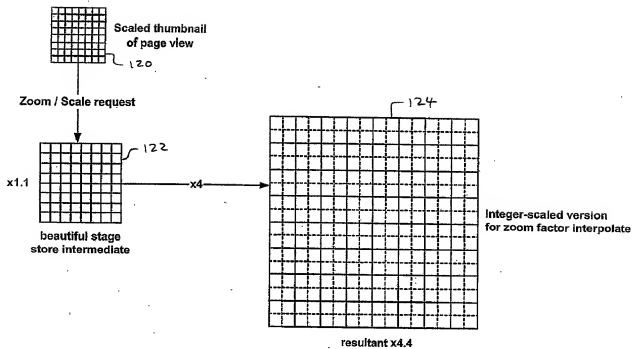
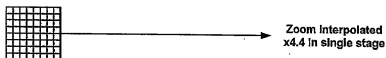
**FIG. 2B**

FIG. 3



Versus



- Intermediate stage 'infrequent' & therefore can use beautiful/detailed scaling, versus rapid/cruder final or single stage scale.

FIG. 4A

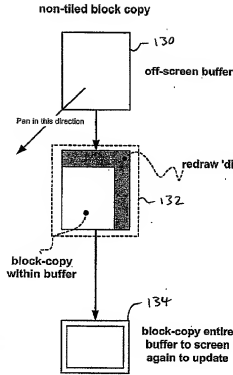
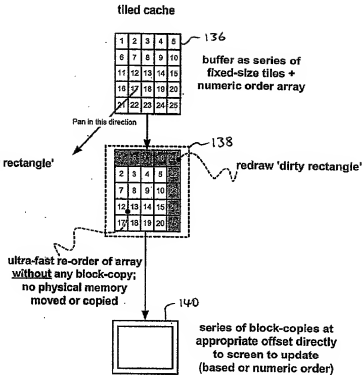

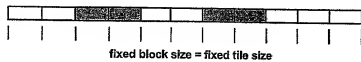


FIG. 4B





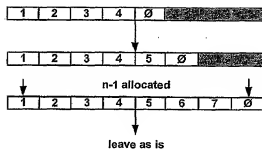
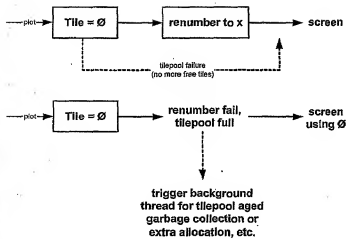
 = large numbers of physical memory copy operations

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- unlimited amount of fragmentation has no effect on usability
- no copy operations required (for buffer re-centering Fig.24)
- potential perfect synchronisation with MMU predictability
- & extendibility of pool (l)

FIG. 5B

FIG. 5C



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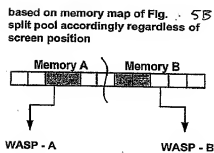
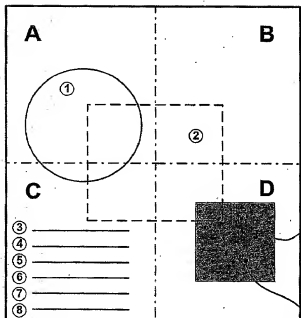




FIG. 7



4 Zones | A, B, C, D

8 Objects | ① - ⑧

By Zone: A = ①, ②

B = ②

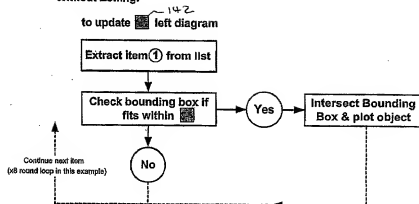
C = ①, ②, ③...⑧

D = ②

area to be  
re-referred

FIG. 8

Without Zoning:



With Zoning:

Intersect with zones

Vastly reduces in many cases  
amount of objects extracted &  
compared.Concatenate item from  
zone(s) list, here = D, get ②Ratio of zone size & typical object  
size is critical.Check bounding box  
if fitsCommon case of many small locally  
clustered objects (text / gradfills)  
good example of beneficiaries.

As above

(x1 loop in this example)